

INDEX

Vol. 3, Nos. 1-12 — August 1948 July 1949

	Issue Page		Issue Page
Aeromagnetic surveying:		Brazil, newly discovered manganese deposits	8, 8
Magnetometer detects possible oil formations under water	10, 13	Shark spines add 100 million years to estimated age of rocks	6, 11
Michigan aeromagnetic survey released	10, 13		
Africa:		Cady, Gilbert H.—COAL GEOLOGY, AN OPPORTUNITY FOR RESEARCH AND STUDY	10, 3
Blood flowed 100,000 years ago in Sinai	1, 10	California:	
Casts of pygmy ape-man's fossil bones arrive in U. S.	5, 12	China's "dawn redwood" may be ancestor of California redwood	2, 9
Early Stone Age tools help chart ocean changes in Africa	6, 10	Earliest American house may have been found	2, 9
Fossils of giant ape-man discovered in South Africa	6, 11	Humans lived in California 50,000 years ago	5, 12
Leading Egyptian scientists assisting American expedition	4, 14	New fossil coyotes species described ..	8, 17
New fossil species from Africa represents near-human pygmy race	5, 8	Submarine canyons at La Jolla studied ..	5, 23
NEW LIGHT ON "DARKEST AFRICA" (Thone, F.)	2, 21	The Devil Postpile (cover photo)	9, 2
New uranium mineral found in Belgian Congo	4, 10	Yosemite Valley (cover photo)	11, 2
Oil possibilities in Ethiopia	5, 16	Canada:	
Red Sea level on Sinai coast has not changed in 3500 years	5, 9	May be leading producer of uranium ..	9, 10
World's first hunters were first murderers	12, 12	Alberta, may be Canada's Oklahoma ..	3, 24
Ahrens, Louis—THE STRONTIUM METHOD FOR MEASURING GEOLOGIC TIME (Abstract)	8, 18	Progress reported in oil recovery from bituminous sands	3, 9
Alaska:		THE WILD WELL AT LEDUC (Richards, H. G.)	6, 7
Iniskin Peninsula is a possible petroleum source	10, 12	Ontario, Survey program announced ..	8, 25
Tin deposits described in report	11, 20	Tin ore discovered in Ontario	9, 9
Alberta—see Canada.		Casanova, Richard L.—A HISTORY OF FOSSIL COLLECTING:	
Aleutian volcano erupts	11, 13	Part I—The early fossil hunters	1, 23
Arizona:		Part II—The 16th & 17th centuries	2, 24
Skeleton of ancient crocodile-like animal received by Smithsonian ..	12, 17	Part III—The Age of Enlightenment ..	3, 20
Atmosphere, density shown by "shooting star" pictures (Morrow, M. G.) ..	6, 6	THE DWARFING OF INVERTEBRATE FOSSILS	2, 18
Earth's atmosphere not formed at time planet was born	8, 7	Caves:	
Atomic energy—see radioactivity		Caves and mines may not protect against bombs	10, 15
Australia:		EXPLORING THE "MYSTERIOUS" (Hendrix, C. E.) Part I, Part II ..	2, 3; 3, 3
"Ancient man" tooth belonged to ancestor of kangaroo	3, 10	Chile:	
Mythical serpent's dwelling may be new uranium source	6, 24	Quake was deep-focus tremor of major intensity	10, 15
Belgian Congo—see Africa		Villarica, Chilean volcano, not previously a killer	5, 9
Bragg, Sir Lawrence honored by mineral-animal received by Smithsonian ..	12, 17	China:	
pgeists	5, 28	"Dawn redwood" may be ancestor of American redwood	2, 9
		Insects from "dawn redwoods" brought to U. S.	5, 11
		Cloos, Hans and George W. Morey receive geological honors	5, 18

INDEX

Vol. 3, Nos. 1-12 — August 1948 July 1949

	Issue Page		Issue Page
Aeromagnetic surveying:		Brazil, newly discovered manganese deposits	8, 8
Magnetometer detects possible oil formations under water	10, 13	Shark spines add 100 million years to estimated age of rocks	6, 11
Michigan aeromagnetic survey released	10, 13		
Africa:		Cady, Gilbert H.—COAL GEOLOGY, AN OPPORTUNITY FOR RESEARCH AND STUDY	10, 3
Blood flowed 100,000 years ago in Sinai	1, 10	California:	
Casts of pygmy ape-man's fossil bones arrive in U. S.	5, 12	China's "dawn redwood" may be ancestor of California redwood	2, 9
Early Stone Age tools help chart ocean changes in Africa	6, 10	Earliest American house may have been found	2, 9
Fossils of giant ape-man discovered in South Africa	6, 11	Humans lived in California 50,000 years ago	5, 12
Leading Egyptian scientists assisting American expedition	4, 14	New fossil coyotes species described ..	8, 17
New fossil species from Africa represents near-human pygmy race	5, 8	Submarine canyons at La Jolla studied ..	5, 23
NEW LIGHT ON "DARKEST AFRICA" (Thone, F.)	2, 21	The Devil Postpile (cover photo)	9, 2
New uranium mineral found in Belgian Congo	4, 10	Yosemite Valley (cover photo)	11, 2
Oil possibilities in Ethiopia	5, 16	Canada:	
Red Sea level on Sinai coast has not changed in 3500 years	5, 9	May be leading producer of uranium ..	9, 10
World's first hunters were first murderers	12, 12	Alberta, may be Canada's Oklahoma ..	3, 24
Ahrens, Louis—THE STRONTIUM METHOD FOR MEASURING GEOLOGIC TIME (Abstract)	8, 18	Progress reported in oil recovery from bituminous sands	3, 9
Alaska:		THE WILD WELL AT LEDUC (Richards, H. G.)	6, 7
Iniskin Peninsula is a possible petroleum source	10, 12	Ontario, Survey program announced ..	8, 25
Tin deposits described in report	11, 20	Tin ore discovered in Ontario	9, 9
Alberta—see Canada.		Casanova, Richard L.—A HISTORY OF FOSSIL COLLECTING:	
Aleutian volcano erupts	11, 13	Part I—The early fossil hunters	1, 23
Arizona:		Part II—The 16th & 17th centuries	2, 24
Skeleton of ancient crocodile-like animal received by Smithsonian ..	12, 17	Part III—The Age of Enlightenment ..	3, 20
Atmosphere, density shown by "shooting star" pictures (Morrow, M. G.) ..	6, 6	THE DWARFING OF INVERTEBRATE FOSSILS	2, 18
Earth's atmosphere not formed at time planet was born	8, 7	Caves:	
Atomic energy—see radioactivity		Caves and mines may not protect against bombs	10, 15
Australia:		EXPLORING THE "MYSTERIOUS" (Hendrix, C. E.) Part I, Part II ..	2, 3; 3, 3
"Ancient man" tooth belonged to ancestor of kangaroo	3, 10	Chile:	
Mythical serpent's dwelling may be new uranium source	6, 24	Quake was deep-focus tremor of major intensity	10, 15
Belgian Congo—see Africa		Villarica, Chilean volcano, not previously a killer	5, 9
Bragg, Sir Lawrence honored by mineral animal received by Smithsonian ..	12, 17	China:	
pologists	5, 28	"Dawn redwood" may be ancestor of American redwood	2, 9
		Insects from "dawn redwoods" brought to U. S.	5, 11
		Cloos, Hans and George W. Morey receive geological honors	5, 18

	Issue	Page		Issue	Page
Coal Geology:			Geology of Andersonville bauxite district, Georgia, studied	11, 21	
Better uses of coal as source of chemicals expected from research	7, 14		Iron ore from Venezuela may help extend life of domestic ore	9, 12	
Cheaper fuel oils from coal promised	6, 12		Kansas mineral production for 1948 breaks all previous records	6, 25	
COAL GEOLOGY, AN OPPORTUNITY FOR RESEARCH AND STUDY (Cady, G. H.)	10, 9		MINERAL PROBLEMS DISCUSSED BY MINES DIRECTOR	10, 20	
Coal geology laboratory to be established	10, 10		Newly discovered manganese deposits in Brazil	8, 8	
"Dawn redwood" pollen found in Scottish coal	11, 21		Ontario survey program announced	8, 25	
Fuel oil supply in America will last for centuries	11, 20		Sink-float process separates minerals	6, 11	
Gas turbine, once Russia-bound, enters pulverized coal-burning tests	2, 10		Strong financial backing required for ore exploration	11, 18	
Million barrels daily is aim for synthetic oil from coal	5, 12		Tin ore discovered in Ontario	9, 9	
OIL FROM COAL—A NEW INDUSTRY	11, 8		Egypt—see Africa		
Second test of getting combustible gases by burning underground coal is started	1, 9		Eisenberg, Jerome M.		
Underground coal fires to be extinguished with government aid	8, 7		Geology and man (review)	6, 22	
Colorado:			Historical geology (review)	7, 22	
Flow of heat on front range rocks described	5, 7		Minerals and how to study them (review)	8, 20	
Uranium ore processing plant to be rehabilitated	10, 18		Physical geology (review)	3, 25	
Conservation—see Natural resources			Teaching aids in optical mineralogy	9, 21	
Continental shelf:			The Earth Science Institute	8, 2	
CONTINENTAL SHELF EXPLORATION OFF LOUISIANA AND TEXAS (McGee, D. A.) (Abstract)	9, 14		England: Dover cliffs chalk study reveals data on ancient sea	5, 20	
CONTINENTAL SHELF PETROLEUM DEPOSITS INVESTIGATED (Monahan, A. C.)	9, 15		Ethiopia—see Africa		
Plenty of oil under continental shelf	5, 11		Evolution—see historical geology		
Crickmay, Geoffrey W. — STONE MOUNTAIN, GEORGIA	3, 16		Fleener, Frank L.—COAL AGE FLORA OF NORTHERN ILLINOIS	4, 3	
Crystallography—see mineralogy, synthetic crystals			Fossils—see historical geology, prehistoric anthropology		
Dando, E. E.—RELIEF MAPS IN LIGHT-WEIGHT PLASTIC	5, 19		France: Stone Age animals shown in drawings on engraved pebble	9, 12	
Davis, Helen—PRECIOUS GEMS FROM CHEAPER FORMS OF CARBON BAFFLE SCIENCE	1, 17		Furcron, A. S.—CLOUDLAND CANYON STATE PARK AND LOOKOUT MOUNTAIN, GEORGIA	5, 13	
Davis, Watson—Thermoluminescence of rocks may give better radioactivity test	11, 19		STAUROLITE AND ITS OCCURRENCE IN GEORGIA	7, 7	
DeLo, David M., appointed executive director of American Geological Institute	11, 1		Geiger counters—see radioactivity		
Denmark find Iron Age man's 'old look' in	1, 27		Gemology:		
Earthquakes—see seismology			Annual conclave of America Gem Society held in Boston	10, 22	
Economic geology: (See also petroleum geology, coal geology, uranium)			GEMS FROM THE SKY (Gliaszczynski, S. von)	6, 18	
Alaskan tin deposits described	11, 20		PRECIOUS GEMS FROM CHEAPER FORMS OF CARBON BAFFLE SCIENCE	1, 17	
American mining production high in 1948	7, 13		'Twas but 75 years ago—on African diamonds	1, 21	
American motors help tap Italian underground hot water wanted for power	7, 13		Geologic education: A proposed five year promotional plan for the advancement of geological education in America (Wilson, B. H.)	4, 1	
			American Federation sponsors earth science contest	10, 21	
			GRASS ROOTS OF THE GEOLOGICAL SCIENCES (Raasch, G. O.)	4, 15	
			Georgia:		
			CLOUDLAND CANYON STATE PARK AND LOOKOUT MOUNTAIN (Furcron, A. S.)	5, 13	

	Issue Page		Issue Page
Geology of the Andersonville bauxite district studied	11, 21	NEW LIGHT ON "DARKEST AFRICA" (Thone, F.)	2, 21
Relics of early Americans uncovered	2, 9	Punch hole in ocean bottom, if you want earth's history	6, 10
STAUROLITE AND ITS OCCURRENCE IN GEORGIA (Furcron, A. S.)	7, 7	Radioactive carbon used as a new measure for age	9, 9
STONE MOUNTAIN (Crickmay, G. W.)	3, 16	Radioactive gas may be geologic "clock"	6, 15
Geysers:		Shark spines add 100 million years to estimated age of South American rocks	6, 11
Old Faithful still on 1870 schedule	11, 22	Skeleton of ancient crocodile-like animal received by Smithsonian	12, 17
Quiet geysers suddenly erupt at Yellowstone	3, 11	THE DWARFING OF INVERTEBRATE FOSSILS (Casanova, R. L.)	2, 18
Gliaszynski, Siegfried von—GEMS FROM THE SKY	6, 18	Turtle and fish fossils dug up from Wyoming plains	5, 9
GRASS ROOTS OF THE GEOLOGICAL SCIENCES (Raasch, G. O.)	4, 15	Widely separated tree cousins once lived very close together	6, 10
Hawaii:		Illinois:	
Mauna Loa due for next eruption within two years	9, 11	COAL AGE FLORA OF NORTHERN ILLINOIS (Fleener, F. L.)	4, 3
Mauna Loa brings forth lava and tourists, but no deaths (Ross, R.)	7, 16	PETROLIFEROUS GEODES, THEIR OCCURRENCE AND ORIGIN (Spitznagel, R. L.)	11, 15
VOLCANIC ERUPTIONS IN HAWAII	4, 20	Italy: American motors help tap underground hot water wanted for power	7, 13
Hendrix, Charles E.—EXPLORING THE "MYSTERIOUS"—Part I, Part II	2, 3; 3, 3	Kansas: 1948 mineral production breaks all previous records	6, 25
Historical geology: (See also prehistoric anthropology)		Crystals of halite from salt mines studied	5, 6
A History of Fossil Collecting (Casanova, R. L.): Part I, Part II, Part III	1, 23; 2, 24; 3, 20	SCENIC KANSAS (Landes, K. K.)	12, 3
ANCIENT GIANT BIRDS RESTORED (Thone, F.)	1, 12	Keller, W. D.—The Rock Cycle	9, 17
Animal "built" to fit puzzling tracks	4, 12	Kuehn, Harold—MOONSCAR UPON THE EARTH—Part I, Part II	7, 3; 8, 3
Billion-year-old wormholes discovered in Michigan rocks	12, 19	Landes, Kenneth K.—SCENIC KANSAS	12, 3
Chains of islands were once strung out along present coasts	3, 11	Letters to the Editor—	
China's "dawn redwood" may be ancestors of American redwood	2, 9	1, 11; 2, 15; 5, 16; 6, 28; 8, 19; 11, 14	
Close inbreeding possible cause of rapid evolution of elephants	10, 13	Louisiana: CONTINENTAL SHELF EXPLORATION OFF LOUISIANA AND TEXAS (McGee, D. A.) (Abstract)	9, 14
COAL AGE FLORA OF NORTHERN ILLINOIS (Fleener, F. L.)	4, 3	Maps: Distribution center for West established in Denver	9, 13
Continent divided by seas 70 million years ago	5, 17	Mobilizing electronic equipment aids contour mapping	10, 12
"Dawn redwood" pollen found in Scottish coal	11, 21	Geologic map series initiated by U.S.G.S.	10, 14
Dover Cliffs chalk study reveals data on ancient sea	5, 20	New list of geologic map symbols prepared	10, 19
Earlier Eden-like earth called a myth	11, 19	RELIEF MAPS IN LIGHTWEIGHT PLASTIC (Dando, E. E.)	5, 19
"Eruptive evolution" as explanation of diverse Cambrian animal life	9, 8	Meetings—see societies	
Fish fossils of Cretaceous excavated in Virginia	7, 16	Meteorites:	
Fossils of early mammals brought to Smithsonian	4, 11	Helium in meteorites due to cosmic radiation	1, 10
Horses due to disappear, evolutionary curve shows	9, 12	Heart-shaped Carolina "bays" formed by tandem meteorites	5, 7
Insects from "dawn redwoods" brought to U. S.	5, 11	1,164 lb. meteorite shows depressions probably created out in space	4, 13
HUNTING FOSSILS WITH THE AID OF A "SEEK SEEK" (Richards, H. G.)	12, 18	Mexico: Small carving believed 20,000 years old	1, 8
Leading Egyptian scientists assisting American expedition	4, 14		
New fossil coyote species described in California	8, 17		

	Issue Page
Michigan: Aeromagnetic survey released	10, 13
Mineral survey by airborne magnetometer has proved its worth	12, 2
Billion-year-old wormholes discovered in Michigan rocks	12, 19
Mineralogy: (See also radioactivity, synthetic crystals)	
Crystals of halite from Kansas salt mines studied	5, 6
Crystals with atomic "holes" may be useful	4, 14
Electron microscope is expected to tell secrets of minerals	5, 27
GEMS FROM THE SKY (Gliaszczynski, S. von)	6, 19
HE CHASES THUNDERBOLTS (Sink, E. C.)	2, 12
New definition of a mineral proposed by Dr. A. N. Winchell	5, 2
NEW TEACHING AIDS IN OPTICAL MINERALOGY	9, 21
New Uranium mineral found in Belgian Congo	4, 10
PETROLIFEROUS GEODES, THEIR OCCURRENCE AND ORIGIN (Spitznagel, R. L.)	11, 15
STAUROLITE AND ITS OCCURRENCE IN GEORGIA (Furcron, A. S.)	7, 7
Thermoluminescence of rocks may give better radioactivity test (Davis, W.)	11, 19
THE SEARCH FOR URANIUM (Savage, W. S.)—Parts I, II	11, 3; 12, 13
Tiny crystals put in thin casts for study	2, 12
Mining—see economic geology	
Monahan, A. C.—CONTINENTAL SHELF PETROLEUM DEPOSITS INVESTIGATED	9, 15
Montana: Fossils of early mammals brought to Smithsonian	4, 11
Morey, George W. and Hans Cloos receive geological honors	5, 18
Morrow, Martha G.—NEW LIGHT ON SUB-OCEAN GEOLOGY	4, 18
"Shooting star" pictures reveal atmosphere's density	6, 6
Natural resources:	
America faces challenge to live within own natural resources means	6, 12
Krug stresses urgent need for conservation	10, 11
Nebraska, Scientists are racing time in	8, 10
Nevada: Reno area earthquakes may continue for months	7, 13
New books	2, 16; 3, 25; 5, 25; 6, 21; 7, 22; 8, 20; 9, 24; 10, 23; 11, 24; 12, 21
New Mexico: 400-year "lost" period in Indian prehistory filled	4, 14
North Carolina: Heart-shaped Carolina "bays" formed by tandem meteorites	5, 7
Norway: Uranium in fjord muds	6, 13
Ohio: Early baby blanket found	4, 25
Ontario—see Canada	

	Issue Page
Organizations—see societies	
Paleontology—see historical geology, prehistoric anthropology	
Pearl, Richard M.—American Federation of Mineralogical Societies	1, 15
Petrography—see petrology	
Petroleum geology:	
Alaskan peninsula is possible petroleum source	10, 12
Alberta province may be Canada's Oklahoma	3, 24
CONTINENTAL SHELF PETROLEUM OFF LOUISIANA AND TEXAS, (McGee, D. A) (Abstract)	9, 14
CONTINENTAL SHELF PETROLEUM DEPOSITS INVESTIGATED (Monahan, A. C.)	9, 15
Coral reefs contain wax-like substance that may become petroleum	4, 12
Fuel oil supply in U. S. will last for centuries	11, 20
Improved seismic method of locating oil uses overground shaped-charge	5, 10
Jellied gasoline used to crack underground rock to increase oil flow	4, 11
Magnetometer detects possible oil formations under water	2, 10
Million barrels a day is aim for synthetic oil from coal	5, 12
More oil from wells by mixing oil and water under pressure	1, 8
New cinematome camera-grinder machine reveals porosity of oil-bearing rock	6, 27
OIL FROM COAL—A NEW INDUSTRY	11, 9
Oil possibilities in Ethiopia	5, 16
Oil shale may be limestone, marlstone or dolomite	4, 10
Patents on shale-oil listed	7, 13
Petroleum industry spending much money in developing synthetic liquid fuels	4, 10
Plenty of oil under continental shelf	5, 11
Progress reported in oil recovery from Canadian bituminous sands	3, 9
Sour crude oil is headache to oil industry	5, 11
Synthesis gas made from oil shale by new process	5, 10
THE WILD WELL AT LEDUC (Richards, H. G.)	6, 7
Petrology:	
Oil shale may be limestone, marlstone or dolomite	4, 10
Thermoluminescence of rocks may give better radioactivity test (Davis, W.)	11, 19
The Rock Cycle (Keller, W. D.)	9, 17
Philippines: Volcano erupts after 77 years	4, 28
Volcano now erupting is only one of many	3, 10

	Issue	Page		Issue	Page
Physical geology: (See also seismology, volcanology)			Early American Indians dug in underground	8, 8	
American and British atoll borings to be compared	6, 12		Early baby blanket found	4, 25	
Blister hypothesis offered by C. W. Wolfe	5, 7		Early Stone Age tools help chart ocean changes in Africa	6, 10	
CLOUDLAND CANYON STATE PARK & LOOKOUT MOUNTAIN, GEORGIA (Furcron, A. S.)	5, 13		Find Iron Age man's 'old look' in Denmark	1, 27	
Earth's crust discussed at G. S. A. meeting	5, 6		Fossils of giant ape-man discovered in South Africa	6, 11	
FIELD GEOLOGY AT CAMP BRANSON (Spitznas, R. L.)	9, 18		400-year "lost" period in Indian pre-history filled	4, 14	
Flow or heat on front range rocks described	5, 7		Leading Egyptian scientists assisting American expedition	4, 14	
Heart-shaped "bays" of Carolina formed by tandem meteorites	5, 7		Most complete collection of skulls and bones planned	3, 10	
New bird migration theory cites continental drift	1, 9		Neanderthal man had it over modern muscle man	8, 9	
NEW LIGHT ON SUB-OCEAN GEOLOGY (Morrow, M. G.)	4, 18		New fossil species from Africa represents near-human pygmy race	5, 3	
1948 research activities in geology reported by the Carnegie Institution	6, 14		NEW LIGHT ON "DARKEST AFRICA" (Thone, F.)	2, 21	
Old Faithful geyser still on 1870 schedule	11, 22		Relics of early Indian uncovered	2, 9	
Quiet geysers suddenly erupt at Yellowstone Park	3, 11		Scientists are racing time in Nebraska	8, 10	
Radio waves sent deep into earth	9, 13		Small Mexican carving believed 20,000 years old	1, 8	
Red sea level on Sinai coast has not changed in 3500 years	5, 9		Some sort of humans lived in Calif. 50,000 years ago	5, 12	
Rocks show earth's magnetic field safe for 100 million years	7, 14		Stone-Age animals shown in drawings on engraved pebble	9, 12	
SCENIC KANSAS (Landes, K. K.)	12, 3		Upper right leg bone is new man-ape clue	3, 9	
Shore control problems studied	5, 24		World's first hunters were first murderers	12, 12	
STONE MOUNTAIN, GEORGIA (Crickmay, G. W.)	3, 16				
Submarine canyons at La Jolla, Calif. studied	5, 23		Raasch, Gilbert O.—GRASS ROOTS OF THE GEOLOGICAL SCIENCE	4, 15	
SURFACE GEOLOGY AT THE BORDER OF AN ICE SHEET (Wolfe, C. W.)	9, 3				
THE BRYCE CANYON NATIONAL PARK (Spitznas, R. L.)	7, 17		Radioactivity:		
The Devil Postpile (cover photo)	9, 2		Advice on uranium prospecting comes from behind Iron Curtain (Ross, R)	8, 9	
THE GEOLOGICAL SURVEY (Wrather, W. E.)	8, 11		ATOMIC ENERGY IN RELATION TO GEOLOGY (Pike, S. T.)	10, 16	
THE GROS VENTRE LANDSLIDE (Zuidema, H. P.)—Parts I, II	5, 3; 6, 3		Canada may be leading producer of uranium	9, 10	
THE MOONSCAR UPON THE EARTH (Kuehn, H.)—Parts I, II	7, 3; 8, 2		Colo. uranium ore processing plant to be rehabilitated	10, 18	
THE TOURING PUBLIC DISCOVERS MATO TIPI (Zuidema, H. P.)	1, 3		Lightweight geiger counters developed	11, 23	
World is not going to tip over	3, 10		Mythical serpent's dwelling may be new uranium source	6, 24	
Yosemite Valley (cover photo)	11, 2		Plenty of uranium: Commission lists known deposits	6, 13	
Pike, Sumner T.—ATOMIC ENERGY IN RELATION TO GEOLOGY	10, 16		Radioactive carbon used as new measure for age	9, 9	
Prehistoric anthropology:			Radioactive gas may be geologic "clock"	6, 15	
Australia's "ancient man" tooth belonged to ancestor of kangaroo	3, 10		Russia's atomic bomb project may be located in Central Asia	7, 15	
Blood flowed 100,000 years ago in Sinai	1, 10		Thermoluminescence of rocks may give better radioactivity test (Davis, W.)	11, 19	
Cast of pygmy ape-man's fossil bones arrive in U. S.	5, 12		THE SEARCH FOR URANIUM (Savage, W. S.)—Parts I, II	11, 3; 12, 13	
Earliest American house may have been found in California	2, 9		THE STRONTIUM METHOD FOR MEASURING GEOLOGIC TIME (Ahrens, L.) (Abstract)	8, 18	
			Uranium in Norwegian fjord muds	6, 13	
			Recommended reading	1, 26	

	Issue	Page
Richards, Horace G.—"Petrified Potatoes"	4,	29
HUNTING FOSSILS WITH THE AID OF A "SEEK SEEK"	12,	18
THE WILD WELL AT LEDUC	6,	7
Ross, Ron—Advice on uranium prospecting comes from behind Iron Curtain	8,	9
Hawaii's Mauna Loa brings forth lava and tourists, but no death	7,	16
Russia:—Atomic bomb project may be located in Central Asia	7,	15
Savage, W. S.—THE SEARCH FOR URANIUM—Parts I, II	11, 3;	12, 13
Schideler, William W.—THE WATERS WITCHES ARE STILL WITH US	3,	12
Science, Freedom of	6,	2
Scotland: "Dawn redwood" pollen found in Scottish coal	11,	21
Seismology:		
Aftershocks come when earth creeps back after tremor	10,	14
Chile's quake was deep-focus tremor of major intensity	10,	15
"Earthquake weather", moon eclipses may influence tremors	10,	14
EARTHQUAKES CAN'T BE FORECAST BUT NEW MAP SHOWS PROBABILITY (Thone, F.)	6,	16
Four earthquakes recorded in 3 days	1,	8
Man-made underground explosion shocks measured by instrument	4,	12
Rena area earthquakes may continue	7,	13
St. Louis seismographs register giant Tenn. quarry blast	1,	9
South Pacific earthquake was as strong as famous Jap shock	3,	11
Sink, E. Carl—HE CHASES THUNDER-BOLTS	2,	12
Societies:		
American Federation of Mineralogical Societies (Pearl, R. M.)	1,	15
American Gem Society—Boston conclave	10,	22
American Geological Institute—DeLo appointed executive director	11,	1
Association of Geology Teachers meets in Chicago	9,	2
California Federation convention	10,	2
The Earth Science Institute	7, 2;	8, 2
Eastern Federation meeting in Nov.	3,	1
Geological Society of America—1949 officers elected	5,	21
Plans annual meeting in El Paso	8,	6
Midwest Federation of Geological Societies convention	2,	2
Mineralogical Society of America elects 1949 officers	5,	31
Paleontological Society selects first woman president	5,	29
State Geologists hold annual meeting	10,	2
State Mineral Society of Texas, annual mineralogical show	7,	2

	Issue	Page
South Carolina: Relics of early Indians uncovered	2,	9
Heart-shaped "bays" of Carolinas formed by tandem meteorites	5,	7
Spitznas, Roger L.—FIELD GEOLOGY AT CAMP BRANSON	9,	18
PETROLIFEROUS GEODES, THEIR OCCURRENCE AND ORIGIN	11,	15
THE BRYCE CANYON NATIONAL PARK	7,	17
Stars, great masses formed when earth was a tenth as old as now	2,	8
Synthetic crystals:		
Laboratory-grown quartz crystals may increase supply of crystals	2,	11
New synthetic mica seems suitable for electronic applications	2,	8
Synthetic quartz crystals, suitable for radio equipment, now produced	5,	12
Tennessee:—St. Louis seismographs record giant Tenn. quarry blast	1,	9
Texas: — CONTINENTAL SHELF EXPLORATION OFF LOUISIANA AND TEXAS (McGee, D.A.) (Abstract)	9,	14
The Earth Sciences—1949. See titles of individual news stories		
Thone, Frank—ANCIENT BIRD GIANTS RESTORED	1,	12
Eden-like climate all over earth in earlier age called a myth	11,	19
EARTHQUAKES CAN'T BE FORECAST BUT NEW MAP SHOWS PROBABILITY	6,	16
NEW LIGHT ON "DARKEST AFRICA"	2,	21
TINY DIAMONDS HELP MAKE BIG DAM SAFE	9,	22
Uranium—see radioactivity		
Utah: 1,164 lb. meteorite shows depressions probably created out in space	4,	13
THE BRYCE CANYON NATIONAL PARK (Spitznas, R. L.)	7,	17
Venezuela: Iron ore may help extend life of domestic ore	9,	12
Virginia: Cretaceous fish fossils excavated	7,	16
Visual aids: Physical geology slides released by Wiley	3,	29
Film on peat-moss industry released	10,	19
Volcanology:		
ALEUTIAN VOLCANO ERUPTS	11,	13
Hawaii's Mauna Loa brings forth lava and tourists, but no death (Ross, R.)	7,	16
Mauna Loa due for next eruption within two years	9,	11
Villarrica, Chilean volcano, not previously a killer	5,	9
VOLCANIC ERUPTIONS IN HAWAII	4,	20
Volcano erupts after 77 years	4,	28
Volcano now erupting is only one of many in Philippines	3,	10

	Issue	Page
Water witching: THE WATER WITCHES ARE STILL WITH US (Schideler, W. W.)	3,	12
Wilson, Ben Hur—A proposed five year promotional plan for the advancement of geologic education in America	4,	1
Wolfe, C. W.—Foraminifera (review)	6,	21
Optical properties in cleavage flakes of rock-forming minerals (review)	3,	26
SURFACE GEOLOGY AT THE BORDER OF AN ICE SHEET	9,	3
Wrather, William E.—THE GEOLOGICAL SURVEY	8,	11
Wyoming:		
FIELD GEOLOGY AT CAMP BRANSON (Spitznas, R. L.)	9,	18
Fossils of early mammals brought to Smithsonian	4,	11
Old Faithful geyser still on 1870 schedule	11,	22
Quiet geysers suddenly erupt at Yellowstone Park	3,	11
THE GROS VENTRE LANDSLIDE (Zuidema, H. P.)—Parts I, II	5, 3;	6, 3
THE TOURING PUBLIC DISCOVERS MATO TIPI (Zuidema, H. P.)	1,	3
Turtle and fish fossils dug up from Wyoming plains	5,	9
Zuidema, H. P.—Sedimentary rocks (review)	8,	20
THE GROS VENTRE LANDSLIDE—Parts I, II	5, 3;	6, 3
THE TOURING PUBLIC DISCOVERS MATO TIPI	1,	3

GOLD COINS WANTED

Of Numismatic Value Only

Royal Coin Company

2 Scollay Sq., Boston, Mass.

GEOLOGIC COLOR SLIDES



For study in class or home—Geologic interpretations of National scenic wonders in beautiful Natural Color! Send \$1 TODAY for Trial offer—3 MOUNTED 2" x 2" SLIDES postpaid. FREE 24-page catalog

DEPT. J

Heald-Robinson

112 E. Lemon Ave.
Menlo Park, California

Does Everything...



HILLQUIST

Gemmaster

*without motor.

COMPARE!

Put the Hillquist Gemmaster beside any lapidary machine—cheaper, flimsy "gadgets" or units that sell at twice the price. Compare construction! Compare ease of operation! Compare how much you get for your money and you'll say, "I'll take the Gemmaster!"

Here is a worthy companion for our larger and more expensive Hillquist Compact Lapidary Unit. The smaller in size, the Hillquist Gemmaster has many of the same features. It's all-metal with spun aluminum tub. You get a rugged, double-action rock clamp, not a puny little pebble pincher. You get a full 3" babbitt sleeve bearing and ball thrust bearing. You get a big 7" Super Speed diamond saw and all the equipment you need to go right to work.

USES ALL ACCESSORIES

You can use all the regular Hillquist accessories with the Gemmaster: The Hillquist Faceter, Sphere Cutters, Laps, Drum and Disc Sanders, etc.

WRITE FOR FREE CATALOG

COMPLETE, READY TO USE! YOU GET ALL THIS—



BIG 7" Diamond Saw • 6" x 1" Grinding Wheel • 6" Felt Buff • 6" Backing Wheel • 6" Disc Sander • Double-action Rock Clamp • Oil Feed Cup • Water Feed Hose & Clamp • Dop Sticks & Dop Wax • Polish, Compound, Etc.

BUILT FOR LONG SERVICE!
No other low-cost lap unit gives you full 3" sleeve bearing, ball thrust bearing and pressure lubrication.

Lapidary EQUIPMENT CO. INC.

1545 WEST 49TH ST., SEATTLE 7, WASHINGTON

